



Amendments to the Air Cleaner Regulation

Indoor Exposure Assessment Section
June 3, 2019

Outline of Presentation

- Air cleaner regulation background
- Purpose of amendments
- Proposed amendments
- Next steps

[Draft Amended Regulations Text](#)

Webcast participants can email questions/comments to:

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Background

- AB 2276 (2006, Pavley) directed CARB to develop a regulation limiting ozone emissions from air cleaners
- Board adopted regulation in 2007; effective in 2008
- Over 2,200 models certified, >300 manufacturers
- Online list of certified devices, widely used by consumers
- Heightened public awareness about health risks from ozone-generating devices

Indoor Air Cleaner Regulation

- Regulated devices: energy-using air cleaning devices used in rooms, whole houses/buildings, motor vehicles, and on people
- If sold or distributed in CA, requires:
 - Certification
 - Package labeling
 - Sales advisory
 - Notification
 - Recordkeeping



Devices Currently Exempted

- In-duct devices
- Devices used for specific industrial applications
 - Water purification
 - Certain agricultural processing applications
 - Chemical, electronics, pharmaceutical, biotech, pulp and paper industries
 - Odor and smoke control in hotel industry
 - Fire/smoke/mold remediation
 - Motor vehicle reconditioning

Purpose of the Amendments

- A. Strengthen regulation to protect against exposures to ozone
- B. Streamline certification process and regulation implementation
- C. Clarify requirements to maintain compliance
- D. Update legal references and requirements

A. Amendments to Strengthen Regulation

- Expand definition of indoor air cleaning devices
- Require certification of electronic in-duct air cleaners
- Refine industrial use exemptions

Expand Definition of Indoor Air Cleaning Device [§ 94801(18)]

- Includes
 - Air being drawn into an enclosed space
 - Devices inserted into window, duct
- Excludes
 - Window units with only mechanical filters
- Clarifies personal air cleaning devices are included



Window AC unit
with ionizer

Require Certification of In-duct Devices

- California market data indicates expansion
- Only certify electronic in-duct devices, not mechanical
- Test method available (CSA C22.2 no. 187-15, § 7.5 and 7.6)



Refine Industrial Use Exemptions

- Expand requirements for industrial use exemptions [§ 94803(a)]
 - Extend protective language to all exempted uses (not be used when people or animals are present) [§ 94801(a)(20)]
 - Improve clarity of advisory on device
 - Include advisory about health effects
 - Add directive about ventilation
 - Clearly state responsibility to market only for specific exempted uses
- Eliminate exemptions unrelated to air cleaning

B. Streamline Certification Process and Regulation Implementation

- Reduce ozone testing requirements for some devices
- Clarify application requirements
- Reduce CARB reporting requirement for notification documentation

Reduce Ozone Testing Requirements [§ 94804(b)]

- Exempt portable mechanical devices with 254 nm UVGI bulbs from ozone testing requirement
 - Electrical safety report must specify bulb type
 - Owner's manual must include bulb replacement information
- All portable mechanical devices must still undergo certification

Clarify Application Requirements

- Manufacturers making medical claims must apply to FDA prior to CARB [§ 94804(a)]
- Clarify documents needed for application [§ 94804(c)(3)]
 - Completed, signed application
 - Complete laboratory reports
 - Exploded parts diagram labeled in English
 - Manuals
 - Copy of online listing directory

Reduce CARB Reporting Requirement [§ 94807]

- Eliminate routine submittal
- Manufacturers maintain those records
 - Must update as long as device is sold
 - Maintain records for 5 years
 - Documentation available to CARB upon request

C. Clarify Requirements to Maintain Compliance

- Re-certification of previously certified devices
- Clarify CA sales advisory for uncertified devices

Re-certification of Previously Certified Device

[\S 94804(f)]

- When device is re-branded by same company
- If device operations are technically changed
- If device is sold to another company and marketed by a different brand name or model number
- If device is manufactured by a company in another country

Sales Advisory for Uncertified Devices [§ 94806(e)]

- Web pages, catalog pages and other advertisements must prominently display the following advisory – prior to customers entering their purchase information

“Does not meet California requirements; cannot be shipped to California.”

D. Update Legal References and Requirements

- Update test standards and permissible laboratories
- Clarify CARB's definition of "permanent filter"
- Clarify labeling requirement

Update to Test Standards and Laboratories

- Update UL Stds. 507, 867, and others to current versions
- Add electrical safety tests for additional dual-function devices [§ 94801]
- Incorporate CSA C22.2 no. 187-15 test method for in-duct devices [§ 94804 and 94805]
- Simplify description of NRTLs approved by CARB for certification purposes [§ 94805(d)]

Clarify the definition of a “permanent filter” [§ 94801(32)]

- ANSI/UL 867 test procedure includes removal of filters, if not permanent
- CARB defines “permanent filter” as one which cannot be easily removed by a consumer or testing laboratory and is physically capable of functioning effectively for the stated or intended lifetime of the device

Clarify Labeling Requirement [§ 94806(b)]

- Change required label language to read:
“Meets CA ozone emissions limit. CARB Certified”
- Specify label may not be placed on bottom of package
- Allow for a smaller label in some cases
 - Minimum font size of 10
 - Approved by CARB staff

SAMPLE LABEL



Current package label

Next Steps

- Please submit comments by June 30
- Rulemaking documents released and 45-day comment period opens October 25
- Board Hearing on December 12-13

For questions, comments or meeting requests, contact Julia.Gress@arb.ca.gov or call (916) 324-9233.

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